Applicant: Signe M. Christenson et al.

Serial No.: 10/535,472

Filed: December 19, 2005

Page : 2 of 8

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Attorney's Docket No.: 22460-003US1

Santaris: 1015US2; Inspicos 16215US00

Listing of Claims:

1-42. (Canceled)

43. (New) A pharmaceutical composition comprising:

(i) an oligonucleotide consisting of between 10-30 nucleotide units, which contains three adjacently located nucleotide sequences, A, B and C, in the following order (5' to 3'):

A-B-C or C-B-A,

in which

A consists of between 2 and 10 nucleotide units, wherein between 1 and 5 of the nucleotide units in A are locked nucleotide units;

B consists of between 1 and 10 nucleotide units, wherein B comprises nucleotide units selected from the group consisting of 2'-deoxy-erythro-pentofuranosyl, ribo-pentofuranosyl and alpha-L-oxy LNA nucleotide units, wherein B comprises at least one alpha-L-oxy LNA nucleotide unit;

C consists of between 2 and 10 nucleotides units wherein between 1 and 5 of the nucleotide units in A are locked nucleotide units; and

(ii) a pharmaceutical carrier.

44. (New) The pharmaceutical composition according to claim 43, in which B represents a sequence of nucleotide units that makes the oligonucleotide able to recruit RNase H when the oligonucleotide is hybridized to a target RNA molecule.

Applicant: Signe M. Christenson et al.

Serial No.: 10/535,472

Filed: December 19, 2005

Page : 3 of 8

45. (New) The pharmaceutical composition according to claim 44, in which B consists of nucleotide units selected from the group consisting of 2'-deoxy-erythro-pentofuranosyl and alpha-L-oxy LNA nucleotide units.

Attorney's Docket No.: 22460-003US1 Santaris: 1015US2; Inspicos 16215US00

46. (New) The pharmaceutical composition according to claim 45, wherein the locked nucleotide units in A and C are selected from the group consisting of oxy-LNA, thio-LNA and amino-LNA nucleotide units, wherein the LNA nucleotide units are in either the alpha or beta configuration.

47. (New) The pharmaceutical composition according to claim 45, wherein the locked nucleotide units in A and C are beta-D-oxy-LNA nucleotide units.

*

48. (New) The pharmaceutical composition according to claim 45, wherein A comprises two adjacently located locked nucleotide units, of which at least one of the locked nucleotide units is an alpha-L-oxy LNA nucleotide unit.

- 49. (New) The pharmaceutical composition according to claim 45, wherein C comprises two adjacently located locked nucleotide units, of which at least one of the locked nucleotide units is an alpha-L-oxy LNA nucleotide unit.
- 50. (New) The pharmaceutical composition according to claim 48, wherein C also comprises two adjacently located locked nucleotide units, of which at least one of the locked nucleotide units is an alpha-L-oxy LNA nucleotide unit.
- 51. (New) The pharmaceutical composition according to claim 45, wherein A comprises three adjacently located locked nucleotide units, of which at least one of the locked nucleotide units is an alpha-L-oxy LNA nucleotide unit.

Attorney's Docket No.: 22460-003US1 Applicant: Signe M. Christenson et al. Santaris: 1015US2; Inspicos 16215US00

Serial No.: 10/535,472

Filed: December 19, 2005

: 4 of 8 Page

52. (New) The pharmaceutical composition according to claim 45, wherein C comprises three adjacently located locked nucleotide units, of which at least one of the locked nucleotide units is an alpha-L-oxy LNA nucleotide unit.

- 53. (New) The pharmaceutical composition according to claim 51, wherein C also comprises three adjacently located locked nucleotides units, of which at least one of the locked nucleotide units is an alpha-L-oxy LNA nucleotide unit.
- 54. (New) The pharmaceutical composition according to claim 45, wherein A consists of 1, 2, 3, 4 or 5 LNA nucleotide units.
- 55. (New) The pharmaceutical composition according to claim 45, wherein C consists of 2, 3, 4 or 5 LNA nucleotide units.
- 56. (New) The pharmaceutical composition according to claim 54, wherein C consists of 2, 3, 4 or 5 LNA nucleotide units.
- 57. (New) The pharmaceutical composition according to claim 45, wherein the oligonucleotide consists of 10-20 nucleotide units.
- 58. (New) The pharmaceutical composition according to claim 45, wherein the oligonucleotide consists of 12-18 nucleotide units.
- 59. (New) The pharmaceutical composition according to claim 45, wherein the oligonucleotide consists of 13, 14, 15, 16 or 17 nucleotide units.
- 60. (New) The pharmaceutical composition according to claim 45, wherein the oligonucleotide consists of 16 nucleotide units.

Applicant: Signe M. Christenson et al.

Serial No.: 10/535,472

Filed: December 19, 2005

Page : 5 of 8

61. (New) The pharmaceutical composition according to claim 45, wherein the locked nucleotide units in A and C are alpha-L-oxy LNA nucleotide units.

Attorney's Docket No.: 22460-003US1

Santaris: 1015US2; Inspicos 16215US00

- 62. (New) The pharmaceutical composition according to claim 45, wherein B consists of 5, 6, 7 or 8 nucleotide units.
- 63. (New) The pharmaceutical composition according to claim 45, wherein A and C comprise at least one alpha-L-oxy or alpha-L-thio nucleotide unit located adjacent to B.
- 64. (New) The pharmaceutical composition according to claim 45, in which the linkages between the nucleotide units in the oligonucleotide are independently selected from the group consisting of -O-P(O)₂-O-, -O-P(O,S)-O-, -O-P(S)₂-O-, -NR^H-P(O)₂-O-, -O-P(O,NR^H)-O-, -O-PO(R")-O-, -O-PO(CH₃)-O-, and -O-PO(NHR^N)-O-, where R^H is selected form hydrogen and C₁₋₆-alkyl, and R" is selected from C₁₋₆-alkyl and phenyl.
- 65. (New) The pharmaceutical composition according to claim 45, in which the linkages between the nucleotide units in the oligonucleotide comprise at least one linkage which is not a O-P(O)₂-O- linkage
- 66. (New) The pharmaceutical composition according to claim 45, in which the linkages between the nucleotide units in B in the oligonucleotide comprises at least one linkage which is not a -O-P(O)₂-O- linkage.

Attorney's Docket No.: 22460-003US1 Applicant: Signe M. Christenson et al. Santaris: 1015US2; Inspicos 16215US00

Serial No.: 10/535,472

Filed: December 19, 2005

Page : 6 of 8

67. (New) The pharmaceutical composition according claim 45, wherein the linkages between the nucleotide units are phosphorothioate internucleoside linkages.

68. (New) The pharmaceutical composition according to claim 45, which further comprises other antisense compounds, chemotherapeutic compounds, antiinflammatory compounds and/or antiviral compounds.